

ROBERT E. BUSHNELL*†

J 1 JOSEPH G. SEEBER^o
J 2 JOHN C. BROSKY^{o+*}
D DARREN R. CREW+
M THEW J. LESTOTA†*
S RAVINDER S. SAHOTA†*
R RICHARD H. STERN^o

- † ADMITTED IN MARYLAND
- ADMITTED IN VIRGINIA
- + ADMITTED IN PENNSYLVANIA
- ‡ ADMITTED IN NEW YORK
- ADMITTED IN CONNECTICUT
- * NOT ADMITTED IN D.C.

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith is the following patent application:

Inventor: 1) DONG-KYUN SEO 5) SUNG-HWAN MOON
 2) JONG-SEO CHOI 6) YOON-CHANG KIM
 3) KYOUNG-CHEON SON 7) SEUNG-KWON HAN
 4) KYU-NAM JOO 8) BU-CHUL SIN

Title: METAL CATHODE AND INDIRECTLY HEATED CATHODE ASSEMBLY HAVING THE SAME

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 3 sheets, Figures 1A through 3B

Claim of priority under 35 U.S.C. §119: YES

** The Republic Of Korea Application No. 2001-8753 filed on 21 February 2001.

EEF (see formula below): **CHECKS ARE ENCLOSED (#42063 and #42064)**

Additional Fees:

Total number of claims in excess of 20: times \$9/18 . \$0.00

Number of independent claims in excess of 3: _____ times \$42/84

Multiple Dependent Claims \$140/280 \$0.00

Multiple Dependent Grammars

An Assignment is likewise enclosed: Recording Fee \$40 ..

Filing Non-English specification \$0.00

TOTAL FEES FOR THE ABOVE APPLICATION \$780.00

INTELLECTUAL PROPERTY LAW

TELEPHONE (202) 408-9040

FACSIMILE (202) 289-7100

FACSIMILE (202) 628-3835

FACSIMILE (419) 747-0022

E-MAIL: REBUSHNELL@AOL.COM

- U.S. Postal Service
 - Via Local Courier
 - Via International Courier
 - Via Facsimile No. _____
 - Via E-Mail Attachment
 - Please Acknowledge Receipt

Attorney Docket: P56645

Assistant Commissioner for Patents
20 February 2002
Page Two

Docket No.: P56645

Inventor: 1) DONG-KYUN SEO 5) SUNG-HWAN MOON
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Title: **METAL CATHODE AND INDIRECTLY HEATED CATHODE
ASSEMBLY HAVING THE SAME**

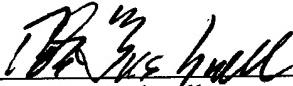
Assistant Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the filing fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005

Respectfully submitted,



Robert E. Bushnell
(Registration No. 27,774)
Payor No.: 008-439
Attorney for the Applicant
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005

Telephone: (202) 408-9040
Telefacsimile: (202) 628-0755

REB/sb

JN132 U.S.
02/02/02

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

Patent fees are subject to annual revision.

Complete If Known

Application Number	To be Assigned
Filing Date	20 February 2002
First Named Inventor	DONG-KYUN SEO et al.
Examiner Name	To be Assigned
Group/Art Unit	To be Assigned

TOTAL AMOUNT OF PAYMENT	(\$) <u>780.00</u>	Attorney Docket No.	P56645
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METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 02-4943

Deposit Account Number: _____

- Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

- Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

(CHECK #42063 & #42064)

- Check Credit Card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	\$740.00
106	330	206	165	Design filing fee	\$
107	510	207	255	Plant filing fee	\$
108	740	208	370	Reissue filing fee	\$
114	160	214	80	Provisional filing fee	\$
SUBTOTAL (1)				(\$) <u>740.00</u>	

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total claims	19	-20** =	x =
Independent Claims	3	- 3** =	x =

Multiple Dependent =

** or number previously paid, if greater; For Reissues, see below

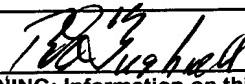
Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$) <u>.00</u>

Large Entity	Small Entity	Fee Description	Fee Paid
105	130	205	65 Surcharge-late filing fee or oath
127	50	227	25 Surcharge-late provisional filing fee or cover sheet
139	130	139	130 Non-English specification
147	2,520	147	2,520 For filing a request for reexamination
112	920*	112	920* Requesting publication of SIR prior to Examiner action
113	1,840 *	113	1,840* Requesting publication of SIR after Examiner action
115	110	215	55 Extension for reply within first month
116	400	216	200 Extension for reply within second month
117	920	217	460 Extension for reply within third month
118	1,440	218	720 Extension for reply within fourth month
128	1,960	228	980 Extension for reply within fifth month
119	320	219	160 Notice of Appeal
120	320	220	160 Filing a brief in support of an appeal
121	280	221	140 Request for oral hearing
138	1,510	138	1,510 Petition to institute a public use proceeding
140	110	240	55 Petition to revive - unavoidable
141	1,280	241	640 Petition to revive - unintentional
142	1,280	242	640 Utility issue fee (or reissue)
143	460	243	230 Design issue fee
144	620	244	310 Plant issue fee
122	130	122	130 Petitions to the Commissioner
123	50	123	50 Petitions related to provisional applications
126	180	126	180 Submission of Information Disclosure Statement
581	40	581	40 Recording each patent assignment per property (Times number of properties) \$40.00
146	740	246	370 Filing a submission after final rejection (37 C.F.R. §1.129(a))
149	740	249	370 For each additional invention to be examined (37 C.F.R. §1.129(b))
Other Fee (specify) _____			
Other Fee (specify) _____			
** Reduced by Basic Filing Fee Paid			SUBTOTAL (3) <u>\$40.00</u>

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name	Robert E. Bushnell, Esq.		Reg. Number	27,774
Signature		Date	20 February 2002	Deposit Account User ID

REB/sb

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